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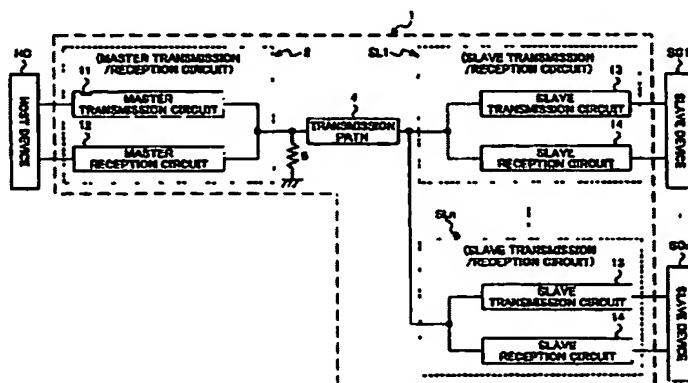
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(54) Title: SERIAL COMMUNICATION DEVICE, METHOD THEREOF AND COMMUNICATION SYSTEM USING THE SAME



(57) Abstract: A compact serial communication device is disclosed that is formed from simplified circuits on a master side and a slave side and does not need a synchronous signal and a switching unit for switching transmission and reception operations, and is able to reduce load of the slave side. The master transmission/reception circuit outputs a serial data signal DATA to a transmission path with the serial data signal DATA being generated by superposing a low level superposition pulse on a clock signal, when the clock signal is at the high level, according to an output data signal to be output to the slave transmission/reception circuits; the slave transmission/reception circuits superposes a high level superposition pulse on the serial data signal DATA input from the transmission path according to an output data signal to be output to the master transmission/reception circuit when the clock signal is at the low level.

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